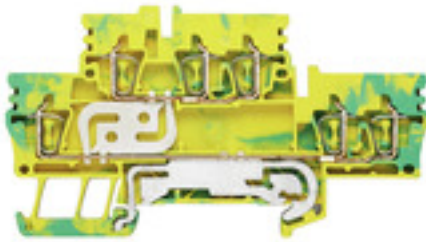


**ZDK 2.5/3AN PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

**General ordering data**

|            |                                                                                                                         |
|------------|-------------------------------------------------------------------------------------------------------------------------|
| Version    | Double-tier terminal, Tension-clamp connection, 2.5 mm <sup>2</sup> , 800 V, 300 A (2.5 mm <sup>2</sup> ), Green/yellow |
| Order No.  | <a href="#">1924470000</a>                                                                                              |
| Type       | ZDK 2.5/3AN PE                                                                                                          |
| GTIN (EAN) | 4032248563906                                                                                                           |
| Qty.       | 50 pc(s).                                                                                                               |

**ZDK 2.5/3AN PE****Weidmüller Interface GmbH & Co. KG**

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**Technical data****Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 50.5 mm    | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51.5 mm    | Height         | 93 mm      |
| Height (inches)          | 3.661 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 20.66 g    |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C        |

**Material data**

|                           |       |        |              |
|---------------------------|-------|--------|--------------|
| Material                  | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0   |        |              |

**Rating data IECEx/ATEX**

|                                |                     |                                 |                     |
|--------------------------------|---------------------|---------------------------------|---------------------|
| Certificate No. (ATEX)         | DEMKO16ATEX1729U    | Certificate No. (IECEx)         | IECExULD16.0025U    |
| Wire cross section max. (ATEX) | 2.5 mm <sup>2</sup> | Wire cross section max. (IECEx) | 2.5 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex eb II C Gb       | Ex 2014/34/EU label             | II 2 G D            |

**System specifications**

|                                   |                                                                               |                                     |     |
|-----------------------------------|-------------------------------------------------------------------------------|-------------------------------------|-----|
| Version                           | Tension-clamp connection,<br>With PE connection, One<br>end without connector | End cover plate required            | Yes |
| Number of levels                  | 2                                                                             | Number of clamping points per level | 3   |
| Levels cross-connected internally | Yes                                                                           | PE connection                       | Yes |
| Rail                              | TS 35                                                                         | PE function                         | Yes |
| PEN function                      | No                                                                            |                                     |     |

**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Mounting plate every 200 mm | No      |
| Open sides               | right | Type of mounting            | Snap-on |

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1842498 | Current size B (CSA)          | 24 A   |
| Current size C (CSA)          | 24 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 AWG         |                               |        |

## ZDK 2.5/3AN PE

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## Technical data

## Conductors for clamping (rated connection)

|                                                                                         |                      |                                                                                         |                          |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|--------------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>        |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Connection cross-section, stranded, max.                                                | 2.5 mm <sup>2</sup>      |
| Connection cross-section, stranded, min.                                                | 0.5 mm <sup>2</sup>  | Connection direction                                                                    | top                      |
| Gauge to IEC 60947-1                                                                    | A2                   | Number of connections                                                                   | 6                        |
| Stripping length                                                                        | 10 mm                | Type of connection                                                                      | Tension-clamp connection |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 24                   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>      |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup>      |

## Dimensions

|              |         |
|--------------|---------|
| TS 35 offset | 25.5 mm |
|--------------|---------|

## General

|                                         |        |                                         |               |
|-----------------------------------------|--------|-----------------------------------------|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 24        |

## Rating data

|                                             |                     |                                                      |         |
|---------------------------------------------|---------------------|------------------------------------------------------|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup> | Rated voltage                                        | 800 V   |
| Rated voltage to adjoining terminal         | 800 V               | Rated DC voltage                                     | 800 V   |
| Standards                                   | IEC 60947-7-2       | Volume resistance according to IEC 60947-7-x         | 1.33 mΩ |
| Rated impulse withstand voltage             | 8 kV                | Rated impulse withstand voltage to adjacent terminal | 8 kV    |
| Power loss in accordance with IEC 60947-7-x | 0.77 W              | Pollution severity                                   | 3       |

## UL rating data

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 30 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 30 AWG |                                            |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 7.0    | EC000901    | ETIM 8.0    | EC000901    |
| ETIM 9.0    | EC000901    | ETIM 10.0   | EC000901    |
| ECLASS 11.0 | 27-14-11-41 | ECLASS 12.0 | 27-14-11-41 |
| ECLASS 13.0 | 27-25-01-04 | ECLASS 14.0 | 27-25-01-04 |
| ECLASS 15.0 | 27-25-01-04 |             |             |

Cradle to gate

0.241 kg CO<sub>2</sub> eq.

## ZDK 2.5/3AN PE

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## Technical data

## Environmental Product Compliance

|                          |                                               |
|--------------------------|-----------------------------------------------|
| RoHS Compliance Status   | Compliant without exemption                   |
| REACH SVHC               | No SVHC above 0.1 wt%                         |
| Product Carbon Footprint | de.myview.objectmodel.impl.BlockImpl@27e40945 |

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319217/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319213/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319240/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319242/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E60693     |

## Downloads

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEx Certificate</a><br><a href="#">INMETRO certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                                                                                                                                                                                                                                                                            |
| User Documentation                          | <a href="#">NTI ZDK-PE 2.5/3AN</a><br><a href="#">NTI ZDK-PE 2.5/3AN V</a><br><a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">User Manual Z-Series</a>                                                                                                                                                                                                                                                                                      |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Brochures                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### ZDK 2.5/3AN PE

**Weidmüller Interface GmbH & Co. KG**

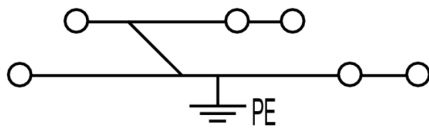
Klingenbergstraße 26

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Germany

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## Drawings



**ZDK 2.5/3AN PE****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

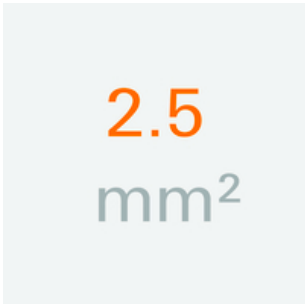
Germany

[www.weidmueller.com](http://www.weidmueller.com)**Accessories****SnapMark**

SnapMark - this tag carrier has been developed specifically for the I-series double-level terminal IDK 1.5N. The flexible pivot mechanism allows cross-connections to be easily installed or removed. It can hold four DEK 5 labelling tags or two WS 10/5 Middle connector markers.

**General ordering data**

|            |                            |                                                                  |
|------------|----------------------------|------------------------------------------------------------------|
| Type       | SNAPMARK I                 | Version                                                          |
| Order No.  | <a href="#">1805880000</a> | Group markers, Terminal marker, 23 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4032248273614              | Weidmueller, white                                               |
| Qty.       | 50 pc(s).                  |                                                                  |

**2.5 mm<sup>2</sup>**

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

**General ordering data**

|            |                            |                                      |
|------------|----------------------------|--------------------------------------|
| Type       | ZAP/TW ZDK 2.5/3AN         | Version                              |
| Order No.  | <a href="#">1924910000</a> | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248565436              |                                      |
| Qty.       | 20 pc(s).                  |                                      |

## ZDK 2.5/3AN PE

Weidmüller Interface GmbH &amp; Co. KG

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## Accessories

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

|            |                            |                            |
|------------|----------------------------|----------------------------|
| Type       | BZT 1 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |

## Z-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

## General ordering data

|            |                            |                                   |
|------------|----------------------------|-----------------------------------|
| Type       | ZTA ZT2.5                  | Version                           |
| Order No.  | <a href="#">1827080000</a> | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248411276              |                                   |
| Qty.       | 25 pc(s).                  |                                   |
| Type       | ZTA ZT2.5/ZA               | Version                           |
| Order No.  | <a href="#">1847600000</a> | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248412679              |                                   |
| Qty.       | 25 pc(s).                  |                                   |

## ZDK 2.5/3AN PE

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

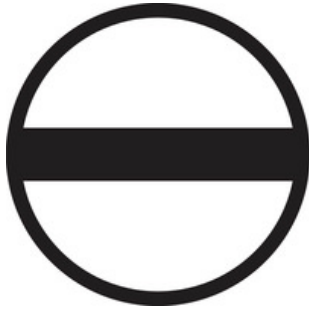
D-32758 Detmold

Germany

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## Accessories

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

|            |                            |                                                                     |
|------------|----------------------------|---------------------------------------------------------------------|
| Type       | SDIS SLIM 0.6X3.5X100      | Version                                                             |
| Order No.  | <a href="#">2749610000</a> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350              | thickness (A): 0.6 mm                                               |
| Qty.       | 1 pc(s).                   |                                                                     |

## Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

## General ordering data

|            |                            |                                                                    |
|------------|----------------------------|--------------------------------------------------------------------|
| Type       | WS 10/5 MC NE WS           | Version                                                            |
| Order No.  | <a href="#">1635000000</a> | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190261948              | Allen-Bradley, white                                               |
| Qty.       | 720 pc(s).                 |                                                                    |



## ZDK 2.5/3AN PE

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## Accessories

## Z-Series



## Z Series

The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

## General ordering data

| Type       | ZRH 1.5H/1                 | Version                   |
|------------|----------------------------|---------------------------|
| Order No.  | <a href="#">1678810000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487324              |                           |
| Qty.       | 1,000 pc(s).               |                           |
| Type       | ZRH 1.5H/2                 | Version                   |
| Order No.  | <a href="#">1678800000</a> | Z-series, Reducing sleeve |
| GTIN (EAN) | 4008190487317              |                           |
| Qty.       | 1,000 pc(s).               |                           |

## Z-Series



## Z Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

## General ordering data

| Type       | ZEW 35/2                   | Version                                                         |
|------------|----------------------------|-----------------------------------------------------------------|
| Order No.  | <a href="#">8630740000</a> | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916              |                                                                 |
| Qty.       | 20 pc(s).                  |                                                                 |